

**Bernard P. Carvalho, Jr.**  
Mayor



**FILE COPY**

**Lyle Tabata**  
Acting County Engineer

SEP 7 2017

**Wallace G. Rezentes, Jr.**  
Managing Director

**DEPARTMENT OF PUBLIC WORKS**

**County of Kaua'i, State of Hawai'i**

4444 Rice Street, Suite 275, Lihue, Hawai'i 96766  
TEL (808) 241-4992 FAX (808) 241-6604

August 29, 2017

Mr. Scott Glenn, Director  
Office of Environmental Quality Control  
Department of Health, State of Hawaii  
235 South Beretania Street, Room 702  
Honolulu, HI 96813

Dear Mr. Glenn:

The County of Kaua'i Department of Public Works hereby transmits this FINAL Environmental Assessment and Finding of No Significant Impact (FEA-FONSI) for the County of Kauai Emergency Services Helicopter Hangar in the Lihue District of Kaua'i. We request publication in the next available edition of the Environmental Notice.

Enclosed is a completed OEQC Publication Form, one hard copy of the FEA-FONSI, and a CD with these documents in electronic form.

If you have any questions, please contact Mr. Douglas Haigh at (808) 241-4849.

Very truly yours,

  
**LYLE TABATA**  
County Engineer

cc: Fire Department

RECEIVED

17 AUG 30 10:33

RECEIVED

17 SEP -7 10:34

## AGENCY PUBLICATION FORM

Project Name:	COUNTY OF KAUAI EMERGENCY SERVICES HELICOPTER HANGAR
Project Short Name:	COK Helicopter Hangar
HRS §343-5 Trigger(s):	Use of County funds and State lands
Island(s):	Kauai
Judicial District(s):	Lihue
TMK(s):	4:3-05-01:08 DOT Lot 004124
Permit(s)/Approval(s):	COK Use, Zoning, and Building permits
Proposing/Determining Agency:	Kauai Fire Department
Contact Name, Email, Telephone, Address	Douglas Haigh, <a href="mailto:dhaigh@kauai.gov">dhaigh@kauai.gov</a> , 808-241-4849, 4444 Rice Street, Lihue, HI 96766
Accepting Authority:	(for EIS submittals only)
Contact Name, Email, Telephone, Address	
Consultant:	None
Contact Name, Email, Telephone, Address	

**Status (select one)**☐ DEA-AFNSI**Submittal Requirements**

Submit 1) the proposing agency notice of determination/transmittal letter on agency letterhead, 2) this completed OEQC publication form as a Word file, 3) a hard copy of the DEA, and 4) a searchable PDF of the DEA; a 30-day comment period follows from the date of publication in the Notice.

☒ FEA-FONSI

Submit 1) the proposing agency notice of determination/transmittal letter on agency letterhead, 2) this completed OEQC publication form as a Word file, 3) a hard copy of the FEA, and 4) a searchable PDF of the FEA; no comment period follows from publication in the Notice.

☐ FEA-EISPN

Submit 1) the proposing agency notice of determination/transmittal letter on agency letterhead, 2) this completed OEQC publication form as a Word file, 3) a hard copy of the FEA, and 4) a searchable PDF of the FEA; a 30-day comment period follows from the date of publication in the Notice.

☐ Act 172-12 EISPN  
("Direct to EIS")

Submit 1) the proposing agency notice of determination letter on agency letterhead and 2) this completed OEQC publication form as a Word file; no EA is required and a 30-day comment period follows from the date of publication in the Notice.

☐ DEIS

Submit 1) a transmittal letter to the OEQC and to the accepting authority, 2) this completed OEQC publication form as a Word file, 3) a hard copy of the DEIS, 4) a searchable PDF of the DEIS, and 5) a searchable PDF of the distribution list; a 45-day comment period follows from the date of publication in the Notice.

☐ FEIS

Submit 1) a transmittal letter to the OEQC and to the accepting authority, 2) this completed OEQC publication form as a Word file, 3) a hard copy of the FEIS, 4) a searchable PDF of the FEIS, and 5) a searchable PDF of the distribution list; no comment period follows from publication in the Notice.

☐ FEIS Acceptance  
Determination

The accepting authority simultaneously transmits to both the OEQC and the proposing agency a letter of its determination of acceptance or nonacceptance (pursuant to Section 11-200-23, HAR) of the FEIS; no comment period ensues upon publication in the Notice.

FEIS Statutory  
Acceptance

Timely statutory acceptance of the FEIS under Section 343-5(c), HRS, is not applicable to agency actions.

☐ Supplemental EIS  
Determination

The accepting authority simultaneously transmits its notice to both the proposing agency and the OEQC that it has reviewed (pursuant to Section 11-200-27, HAR) the previously accepted FEIS and determines that a supplemental EIS is or is not required; no EA is required and no comment period ensues upon publication in the Notice.

- ☐ Withdrawal      Identify the specific document(s) to withdraw and explain in the project summary section.
- ☐ Other      Contact the OEQC if your action is not one of the above items.

**Project Summary**

Provide a description of the proposed action and purpose and need in 200 words or less.

The project is the development of a 4,500 SF helicopter hanger, including office and restroom facilities. The site is located within the Lihue Airport Complex on a leased lot in the General Aviation Subdivision. County of Kauai's emergency services helicopter is to be stored within the hanger. No maintenance or fueling services will occur onsite.

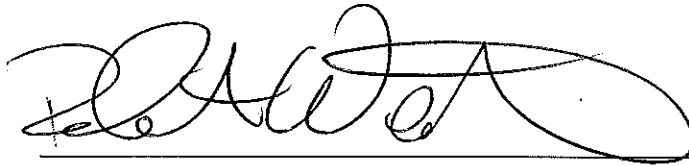
**COUNTY OF KAUAI EMERGENCY SERVICES HELICOPTER HANGAR**  
**County of Kauai, Hawaii**

**Final Environmental Assessment/  
Finding of No Significant Impact**

Submitted pursuant to  
Hawaii Revised Statutes, Chapter 343

8/29/17

Date of Approval



for County of Kauai, Kauai Fire Department

The following person may be contacted for additional information concerning this document:

Robert Westerman, Fire Chief  
Kauai Fire Department  
County of Kauai  
4444 Rice Street, Suite 315  
Lihue, Kauai 96766-1340  
Phone: 241-4980

The County of Kauai, Fire Department, proposes to construct a 4,500 SF helicopter hanger, including office and restroom facilities. The site is located within the Lihue Airport Complex on a leased lot in the General Aviation Subdivision. County of Kauai's emergency services helicopter is to be stored within the hanger. No maintenance or fueling services will occur onsite.

Through project siting, design, and proposed mitigation measures, the analysis contained in the environmental assessment has determined that the project will not have significant adverse impact. Mitigation measures will be implemented in accordance with applicable regulations and/or consultation with appropriate agencies.

# **FINAL ENVIRONMENTAL ASSESSMENT**

**COUNTY OF KAUAI EMERGENCY SERVICES HELICOPTER HANGAR**

**KAUAI FIRE DEPARTMENT  
LIHUE, KAUAI, HAWAII**

Prepared by

County of Kauai  
Department of Public Works  
2017

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## **CHAPTER I**

### **PROJECT SUMMARY**

**PROJECT NAME:** County of Kauai Emergency Services Helicopter Hangar

**PROPOSING AGENCY:** Kauai Fire Department  
4444 Rice Street, Suite 315  
Lihue, Kauai, Hawaii 96766

**APPROVING AGENCY:** N/A

**PROJECT LOCATION:** Lihue Airport, Kauai, Hawaii

**TAX MAP KEY:** 4:3-05-01:08 DOT Lot 004124

**TOTAL LAND AREA:** 24,776 SF

**PROJECT DESCRIPTION:** The project is the development of a 4,500 SF helicopter hanger, including office and restroom facilities. The site is located within the Lihue Airport Complex on a leased lot in the General Aviation Subdivision. County of Kauai's emergency services helicopter is to be stored within the hanger. No maintenance or fueling services will occur onsite.

**PURPOSE AND NEED OF PROJECT:** The Kauai Fire Department needs a permanent, secure storage facility for the County of Kauai's emergency services helicopter.

**PURPOSE OF THE ENVIRONMENTAL ASSESSMENT:** The project will use County of Kauai funds to build the facility on State of Hawaii lands and therefor requires an environmental assessment in accordance with Hawaii Environmental Policy Act, Chapter 343 Hawaii Revised Statutes.

**ANTICIPATED DETERMINATION:** It is anticipated that a finding of no significant impact (FONSI) will be made for this project. The project is within a General Aviation Subdivision that was covered by the State of Hawaii Department of Transportation Airports Division's Lihue Airport Ahukini Road Realignment and General Aviation Subdivision Final Environmental Assessment and Finding of No Significant Impact 1997



## CHAPTER II

### PRE-ASSESSMENT CONSULTATION LIST

The following organizations have been consulted in order to prepare this Draft Environmental Assessment. Consultation with community or interest groups was primarily done during the State of Hawaii Department of Transportation Airports Division's Lihue Airport Ahukini Road Realignment and General Aviation Subdivision Final Environmental Assessment and Finding of No Significant Impact 1997 and relevant comments are available in the FEA/FONSI.

AGENCY:

DATE:

STATE

Lihue Airport Ahukini Road Realignment and General Aviation  
Subdivision Final Environmental Assessment and Finding of No  
Significant Impact  
Published in the OEQC Environmental Notice

April 1997

COUNTY OF KAUAI

Kauai County Council (Capital Improvement Budget)  
Mayor, County of Kauai (Capital Improvement Budget)

March 2016  
June 2016

## **CHAPTER III**

### **GENERAL DESCRIPTION OF PROPOSED ACTION**

#### **A. TECHNICAL CHARACTERISTICS**

The County of Kauai is proposing to develop a helicopter hanger, including office and restroom facilities on Lot 004124 within the Lihue Airport General Aviation subdivision. See Figure 1 and Exhibit A. The site has vehicular access from Ahukini Road. The Lihue Airport will provide utility connections for water, power, communication, and sewage.

The helicopter hanger will be primarily used for storage of helicopters. Limited quantities (15 gallon maximum) hazardous materials, such as solvents, paints, oils, and grease will be stored in portable HAZMAT lockers. Helicopter fueling and maintenance will be done offsite.

Storage and staging of additional safety apparatus such as a rescue boat, vehicles for emergency medical services, an airport crash tender, fire engines, fire trucks, quints, hazmat apparatus, heavy rescue vehicles, light and air units, rehab units, water tenders, wildland fire engines, and wildland water tenders may also occur on the site.

#### **B. ECONOMIC CHARACTERISTICS**

The estimated project costs are:

Site acquisition	\$15 per month, 35 year lease
Design and Engineering	\$120,000
Construction	\$500,000

#### **C. SOCIAL CHARACTERISTICS**

The proposed helicopter hanger will provide a permanent home for the County of Kauai's emergency services helicopter. The emergency services helicopter provides unique support for the life and safety of Kauai residents and visitors.

The development of the helicopter in the Lihue Airports General Aviation Subdivision will not additionally impact the socio-economic environment discussed in the 1997 Lihue Airport Ahukini Road Realignment and General Aviation Subdivision Final Environmental Assessment and Finding of No Significant Impact.



## CHAPTER IV

### AFFECTED ENVIRONMENT

#### A. PROPERTY DESCRIPTION

The property is located at the Lihue Airport complex within the 61 acre General Aviation subdivision on Lot 004124 (24,776 SF). Lihue Airport occupies 878 acres about 1.5 miles east of Lihue, on the southeast coast of the island of Kauai. The property is serviced by Ahukini Road.

#### B. GEOLOGICAL CHARACTERISTICS

1. TOPOGRAPHY: The site slopes. There are no hills or valleys. There is no standing or running water.
2. CLIMATE: Climatic conditions in the area are known to have mean temperatures ranging from 70.3 degrees Fahrenheit in the winter to 78.4 degrees Fahrenheit in the summer. The relative humidity levels vary from 63 percent to 88 percent. The annual average rainfall is about 45 inches.
3. SOILS: The site is comprised of LhB soils, Lihue silty clay, which consists of well-drained soils upland on the Island of Kauai, silty clay, gravely in places. The loam is developed in material derived from basic igneous rock. Soil geology is stable and suitable for the construction of the building types proposed.

#### C. FLOOD HAZARD

The Federal Emergency Management Agency Flood Insurance Rate Map (FIRM) for Kauai County, Hawaii, Community Panel Number 150002 0327F, November 26, 2010. The map shows the property in the X zone (unshaded). The property is outside of the 500 year flood plain. See Figure 2.

#### D. FLORA AND FAUNA

No rare or endangered species of plant species has been identified on the site. There are no known endangered or threatened species of fauna inhabiting the Lihue Airport project site.

#### E. INFRASTRUCTURE AND UTILITIES

1. VEHICULAR ACCESS: The site is serviced by Ahukini Road.
2. WATER: The county Department of Water has adequate water supply to accommodate the project.

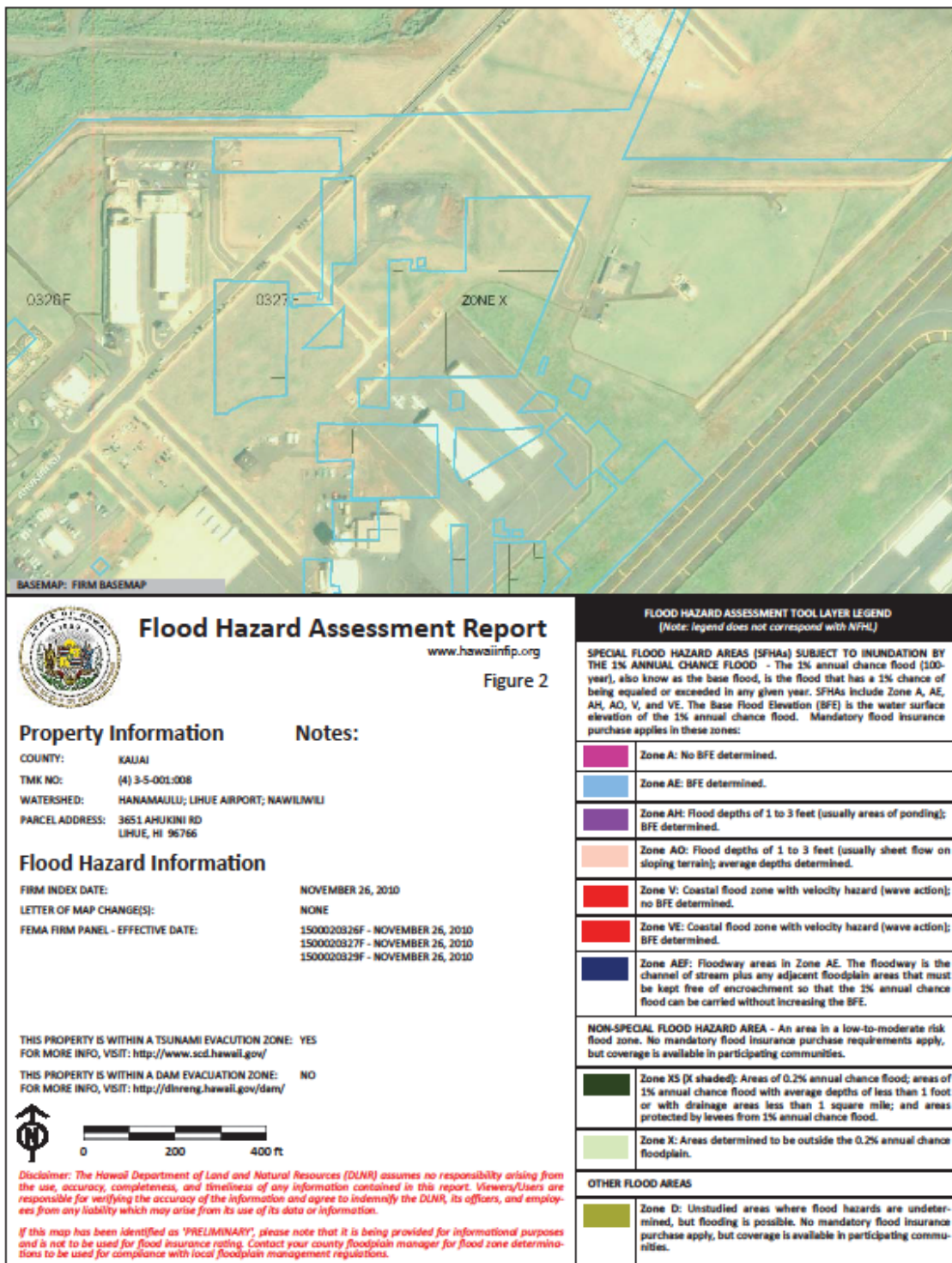


Figure 2

3. WASTEWATER: The Wastewater will be piped to the Lihue Sewage Treatment Plant which has adequate capacity project.
4. POWER AND COMMUNICATIONS: There are electrical power, telephone and cable TV available. The existing capacity is adequate to serve the project.

F. PUBLIC FACILITIES

1. SCHOOLS: About one mile away on Hardy Street is Wilcox Grade School, serving children in K through 6 grades. Kauai High School is about three miles away.
2. PARKS: At the end of Ahukini Road is the Ahukini Recreation Pier State Park. Undeveloped County of Kauai park land is east of the Lihue Airport runways.
3. FIRE: Services will be from Lihue. The fire station is on Rice Street, about one mile away.
4. HOSPITAL AND EMERGENCY SERVICES: The nearest hospital and emergency service room is Wilcox Hospital in Lihue, is about one and one half miles from the site. The hospital is directly accessed from Kuhio Highway.

## CHAPTER V

### SUMMARY OF MAJOR IMPACTS

#### A. SHORT-TERM IMPACTS

1. CONSTRUCTION: On-site grading and infrastructure improvements will result in an increase of dust and noise, but limited impact on water quality. The prevailing tradewind patterns carry airborne matter over Ahukini Road. The normal patterns will not impact the airport terminal. The increase in noise will be mitigated by the fact that the property is relatively isolated, with no houses nearby. Best management practices will be used during earthwork operations to assure minimum erosion and/or storm water runoff.
2. TRAFFIC: Required improvements will have minimum impact on Ahukini Road traffic.
3. EMPLOYMENT: The construction will have a positive impact on the Island economy.

#### B. LONG-TERM IMPACTS

1. TRAFFIC: The project will have minimum impact to Ahukini Road.
2. VISUAL: This project will have minimum visual impact to the Lihue General Aviation Subdivision. The design and colors of the building will be consistent with the Airport's policies.

## **CHAPTER VI**

### **ALTERNATIVES TO THE PROPOSED ACTION**

#### **A. NO ACTION ALTERNATIVE:**

The No Action alternative involves not building the County of Kauai's emergency services helicopter hanger on the site.

#### **B. ALTERNATIVE DEVELOPMENT OPTION:**

Alternatives to the proposed development plan could include the following:

1. Other uses. Some of the adjacent uses that could be considered include housing, light industrial and functions related to the airport or to the post office distribution facility. Future airport expansion plans are underway, with the facility growing to the north on the makai side of Kapule Highway. There is no need in the near future to expand the post office distribution facility.



## CHAPTER VII

### **DETERMINATION, FINDINGS & REASONS FOR SUPPORTING DETERMINATION**

#### A. CHAPTER 343 HRS DETERMINATION

Based on the information and analysis in the Environmental Assessment, the County of Kauai, Fire Department, has determined that the project will not result in a significant impact on the environment. As such, it is issuing a Finding of No Significant Impact (FONSI) pursuant to the State of Hawaii HRS Chapter 343. An Environmental Impact Statement is not required.

#### B. SIGNIFICANCE CRITERIA

According to the Department of Health Rules (11-200-12), an applicant or agency must determine whether an action may have a significant impact on the environment, including all phases of the project, its expected consequences both primary and secondary, its cumulative impact with other projects, and its short and long-term effects. In making the determination, the Rules establish "Significance Criteria" to be used as a basis for identifying whether significant environmental impact will occur. According to the Rules, an action shall be determined to have a significant impact on the environment if it meets any one of the following criteria:

1. Involves an irrevocable commitment to loss or destruction of any natural or cultural resources;

The proposed project will not cause any irrevocable loss of natural or cultural resources. The site has been extensively modified from light industrial use and sugar cane cultivation, and therefore it is unlikely that any historical or cultural significant sites remains undisturbed. View planes are not impacted and there will be no blockage of mauka or ocean views from the surrounding areas.

As previously noted, no significant archaeological or historical sites are known to exist on the site. Should any archaeologically significant artifacts, bones, or other indicators of previous on-site activity be uncovered during the constructions phase, their treatment will be conducted in strict compliance with the requirements of the Department of Land and Natural Resources.

2. Curtails the range of beneficial uses of the environment;

Although the subject property had been used for the cultivation of sugar cane in the past, that use is no longer viable. The site is within the Lihue Airport General Aviation Subdivision, and is well suited for a helicopter

hanger.

3. Conflicts with the State's long-term environmental policies and guidelines as expressed in Chapter 344, HRS; and any revisions thereof and amendments thereto, court decisions, or executive orders;

The proposed development is consistent with the Environmental Policies established in chapter 344, HRS, and the National Environmental Policy Act.

4. Substantially affects the economic or social welfare of the community or state;

The proposed project will provide a significant and positive impact on the Kauai community by providing a permanent site for the County of Kauai's emergency services helicopter. The proposed project will not negatively or significantly alter existing residential areas, nor will it encourage unplanned population growth.

5. Substantially affects public health;

During the construction period there will be minor impacts to air quality and noise levels. After completion of the construction work, these will be insignificant or not detectable. The positive aspects of the proposed project in the areas of economic and social benefits of the community are greater than the "no action" alternative.

6. Involves substantial secondary impacts, such as population changes or effects on public facilities.

Impacts on public facilities will not be a factor. It is unlikely that the project will have any impact on population.

7. Involves a substantial degradation of environmental quality;

The new facility will be designed to be in compliance with all current county, state and federal regulations and will not involve a substantial degradation of environmental quality.

8. Is individually limited but cumulatively has considerable effect on the environment, or involves a commitment for larger action;

The helicopter hanger is being planned to be adequate for at least the next twenty years of service and we do not anticipate any increased impact to the environment.

9. Substantially affects a rare, threatened or endangered species or its habitat;

No endangered plant or animal species are located on or around the project site.

10. Detrimently affects air or water quality or ambient noise levels;

No air quality issues have surfaced concerning helicopter operations. We do not anticipate any change in that situation, as no expansion of the facility is planned. There will be no heavy maintenance or fueling of the vehicles on-site. Use of the helicopter within the General Aviation Subdivision will not detrimentally affect ambient noise levels.

11. Affects or is likely to suffer damage by being located in an environmentally sensitive area, such as a flood plain, tsunami zone, beach, erosion-prone areas, geologically hazardous land, estuary, freshwater, or coastal areas;

The proposed project site is not located in or near any environmentally sensitive or geologically hazardous area.

12. Substantially affects scenic vistas and view planes identified in county or state plans or studies;

The property is essentially flat, surrounded by more flat land. On Kauai there are no tall buildings, so view planes to the mountains are unobstructed.

13. Requires substantial energy consumption.

The size and scope of the project will not have a measurable impact on energy supplies. In fact, the new facility will be more energy efficient than current facilities, thereby reducing our dependence on fossil fuels.

## **CHAPTER VIII**

### **MITIGATION MEASURES**

In the short term, during construction, measures will be taken to minimize impacts such as increased traffic, noise and dust. Measures will include specific construction hours to minimize noise, plans to reduce the impacts of the construction traffic, and dust screens and periodic site watering to reduce dust particles in the air. All construction and related activities will comply with applicable federal, state and county regulations.

The Kauai economy will be favorably impacted during construction. The dollars spent for local labor will have a very positive impact on the economy on Kauai.

The most important long-term impact will be providing a permanent home for the County of Kauai's emergency services helicopter.

## **Chapter IX**

### **Require Permits**

The following permits will be required to complete the proposed project:

1. Use Permit
2. Zoning Permit
3. Building Permit

## **Chapter X**

### **Consultations**

The Draft Environmental Assessment (DEA) was received by the State Office of Environmental Quality Control (OEQC) for processing on July 12, 2017. The OEQC notified the public that the DEA was available for review in its bimonthly bulletin, The OEQC Environmental Notice on July 23, 2017. Official announcement by the OEQC initiated a 30-day review and comment period.

The following correspondence was received during the DEA comment period:

DAVID Y. IGE  
GOVERNOR OF HAWAII



VIRGINIA PRESSLER, M.D.  
DIRECTOR OF HEALTH

**STATE OF HAWAII**  
**DEPARTMENT OF HEALTH**  
P. O. BOX 3376  
HONOLULU, HI 96821-3376

In reply, please refer to:  
File:

EPO 17-175

August 7, 2017

Mr. Douglas Haigh  
Kauai Fire Department  
4444 Rice Street  
Lihue, Hawaii 96756  
Email: [dhaigh@kauai.gov](mailto:dhaigh@kauai.gov)

Dear Mr. Haigh:

**SUBJECT: Draft Environmental Assessment (DEA) for County of Kauai Emergency Services Helicopter Hangar, Lihue, Kauai**  
**TMK: 4-3-05-01:08 DOT Lot 004124**

The Department of Health (DOH), Environmental Planning Office (EPO), acknowledges receipt of your DEA to our office via the OEQC link:

[http://oeqc2.doh.hawaii.gov/EA\\_EIS\\_Library/2017-07-23-KA-DEA-Emergency-Services-Helicopter-Hangar.pdf](http://oeqc2.doh.hawaii.gov/EA_EIS_Library/2017-07-23-KA-DEA-Emergency-Services-Helicopter-Hangar.pdf)

We understand from the OEQC publication form project summary that *"The project is the development of a 4,500 SF helicopter hangar, including office and restroom facilities. The site is located within the Lihue Airport Complex on a leased lot in the General Aviation Subdivision. County of Kauai's emergency services helicopter is to be stored within the hangar. No maintenance or fueling services will occur onsite."*

Hawaii's environmental review laws require Environmental Assessments (EAs) and Environmental Impact Statements (EISs) to consider health in the discussion and the mitigation measures to reduce negative impacts. In its definition of 'impacts,' §11-200-2, Hawaii Administrative Rules (HAR) includes health effects, whether primary (direct), secondary (indirect), or cumulative. Further, §11-200-12(b)(5), HAR, lists public health as one of the criteria for determining whether an action may have a significant impact on the environment.

In the development and implementation of all projects, EPO strongly recommends regular review of State and Federal environmental health land use guidance. State standard comments to support sustainable healthy design are provided at: <http://health.hawaii.gov/epo/landuse>. Projects are required to adhere to all applicable standard comments. EPO has an updated environmental Geographic Information System (GIS) website page <http://health.hawaii.gov/epo/egis>. It compiles various maps and viewers from our environmental health programs.

EPO also encourages you to examine and utilize the Hawaii Environmental Health Portal at: <https://eha-cloud.doh.hawaii.gov>. This site provides links to our e-Permitting Portal, Environmental Health Warehouse, Groundwater Contamination Viewer, Hawaii Emergency Response Exchange, Hawaii State and Local Emission Inventory System, Water Pollution Control Viewer, Water Quality Data, Warnings, Advisories and Postings.

Any waste generated by the project (that is not a hazardous waste as defined in state hazardous waste laws and regulations), needs to be disposed of at a solid waste management facility that complies with the applicable provisions (HAR, Chapter 11-58.1 "Solid Waste Management Control"). The open burning of any of these wastes, on or off site, is strictly prohibited. You may wish you review the Minimizing Construction & Demolition Waste

Mr. Douglas Haigh  
Page 2  
August 7, 2017

Management Guide at: <http://health.hawaii.gov/shwb/files/2016/05/constdem16.pdf> Additional information is accessible at: <http://health.hawaii.gov/shwb>. For specific questions call (808) 586-4226.

You may also wish to review the draft Office of Environmental Quality Control (OEQC) viewer at: <http://eha-web.doh.hawaii.gov/oeqc-viewer>. This viewer geographically shows where some previous Hawaii Environmental Policy Act (HEPA) (Hawaii Revised Statutes, Chapter 343) documents have been prepared.

To better protect public health and the environment, the U.S. Environmental Protection Agency (EPA) has developed a new environmental justice (EJ) mapping and screening tool called EJSCREEN. It is based on nationally consistent data and combines environmental and demographic indicators in maps and reports. EPO encourages you to explore, launch and utilize this powerful tool in planning your project. The EPA EJSCREEN tool is available at: <http://www.epa.gov/ejscreen>.

We request that you utilize all of this information on your proposed project to increase sustainable, innovative, inspirational, transparent and healthy design. Thank you for the opportunity to comment.

Mahalo nui loa,



Laura Leialoha Phillips McIntyre, AICP  
Program Manager, Environmental Planning Office

LM:nn

Attachment 1: Environmental Health Management Web App Snipit of Project Area: <http://health.hawaii.gov/epo/ecis>

Attachment 2: Clean Water Branch: Water Quality Standards Map - Kauai

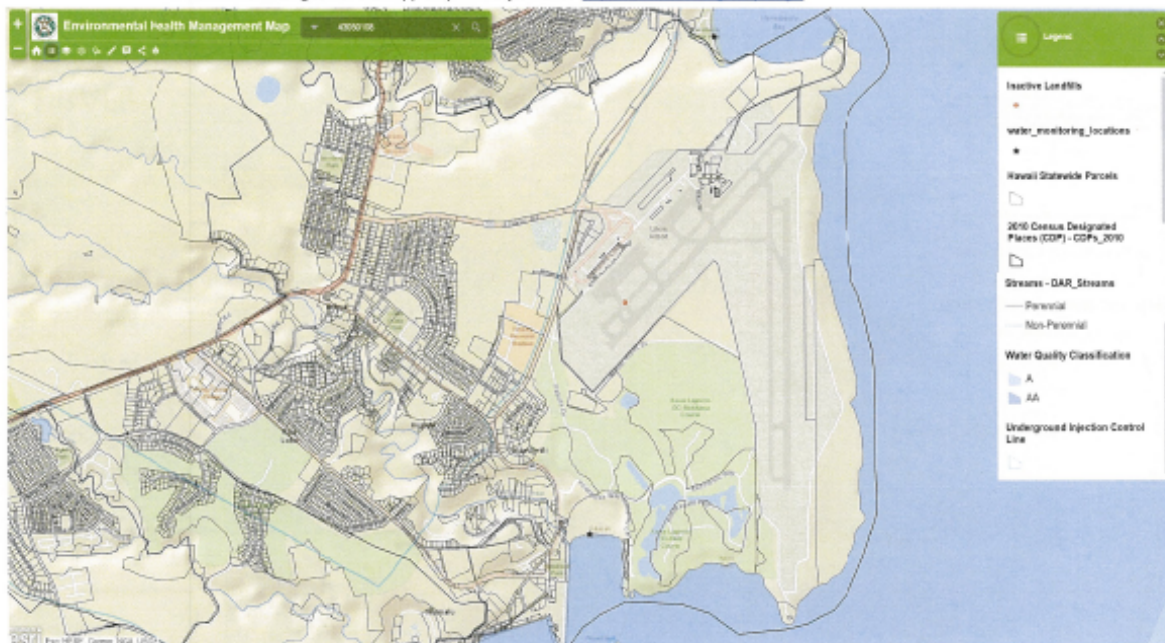
Attachment 3: OEQC viewer (of some past EA's, EIS's in area)

Attachment 4: U.S. EPA EJSCREEN Report for Project Area

c: DOH: DHO Kauai, HEER (via email only)



Attachment 1: Environmental Health Management Web App Snipit of Project Area: <http://health.hawaii.gov/epo/egis>



Attachment 2: Clean Water Branch: Water Quality Standards Map - Kauai





Attachment 4: U.S. EPA EJSCREEN Report for Project Area



EJSCREEN Report (Version 2016)

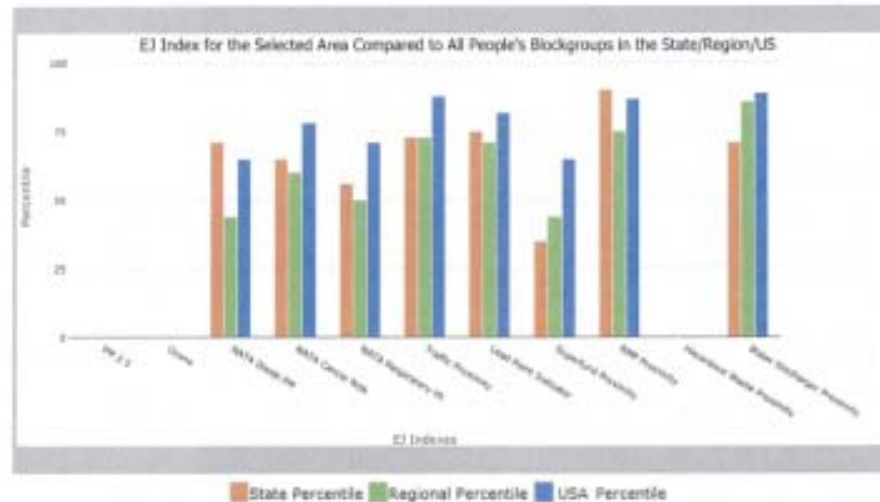


1 mile Ring Centered at 21.983780,-159.342324, HAWAII, EPA Region 9

Approximate Population: 1,187

Input Area (sq. miles): 3.14

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
<b>EJ Indexes</b>			
EJ Index for PM2.5	N/A	N/A	N/A
EJ Index for Ozone	N/A	N/A	N/A
EJ Index for NATA* Diesel PM	71	44	66
EJ Index for NATA* Air Toxics Cancer Risk	65	60	78
EJ Index for NATA* Respiratory Hazard Index	56	60	71
EJ Index for Traffic Proximity and Volume	73	73	88
EJ Index for Lead Paint Indicator	75	71	82
EJ Index for Superfund Proximity	35	44	65
EJ Index for RMP Proximity	90	75	87
EJ Index for Hazardous Waste Proximity*	N/A	N/A	N/A
EJ Index for Water Discharger Proximity	71	80	85



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations in appropriate interpretation and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

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1 mile Ring Centered at 21.983780, -159.342324, HAWAII, EPA Region 9

Approximate Population: 1,167

Input Area (sq. miles): 3.14



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0
National Pollutant Discharge Elimination System (NPDES)	0



# EISCREEN Report (Version 2016)

1 mile Ring Centered at 21.983789,-159.342324, HAWAII, EPA Region 9

Approximate Population: 1,187

Input Area (sq. miles): 3.14



Selected Variables	Value	State Avg.	%ile In State	EPA Region Avg.	%ile In EPA Region	USA Avg.	%ile in USA
<b>Environmental Indicators</b>							
Particulate Matter (PM <sub>2.5</sub> in $\mu\text{g}/\text{m}^3$ )	N/A	N/A	N/A	9.37	N/A	9.32	N/A
Ozone (ppb)	N/A	N/A	N/A	51	N/A	47.4	N/A
NATA* Diesel PM ( $\mu\text{g}/\text{m}^3$ )	0.108	0.149	61	0.978	<50th	0.937	<50th
NATA* Cancer Risk (lifetime risk per million)	26	34	16	43	<50th	40	<50th
NATA* Respiratory Hazard Index	0.61	1	22	2	<50th	1.6	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	460	990	65	1100	57	690	78
Lead Paint Indicator (% Pre-1960 Housing)	0.18	0.16	62	0.24	54	0.3	48
Superfund Proximity (site count/km distance)	0	0.098	29	0.15	13	0.13	16
RMP Proximity (facility count/km distance)	0.42	0.19	90	0.57	66	0.43	73
Hazardous Waste Proximity* (facility count/km distance)	N/A	0.14	N/A	0.14	N/A	0.11	N/A
Water Discharger Proximity (facility count/km distance)	0.25	0.34	57	0.2	61	0.31	70
<b>Demographic Indicators</b>							
Demographic Index	59%	52%	73	47%	68	36%	81
Minority Population	93%	77%	78	58%	86	37%	92
Low Income Population	26%	26%	55	36%	38	35%	39
Linguistically Isolated Population	7%	6%	71	6%	56	0%	78
Population With Less Than High School Education	15%	9%	88	17%	62	14%	74
Population Under 5 years of age	7%	6%	62	7%	56	6%	60
Population over 64 years of age	16%	15%	50	13%	75	14%	69

\* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: <https://www.epa.gov/national-scale-air-toxics-assessment>.

\* The hazardous waste environmental indicator and the corresponding EI index will appear as N/A if there are no hazardous waste facilities within 50 km of a selected location.

For additional information, see: [www.epa.gov/environmentaljustice](http://www.epa.gov/environmentaljustice)

EISCREEN is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or research. It does not provide a basis for decision-making, but it may help identify potential areas of EI concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EISCREEN documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EISCREEN outputs should be supplemented with additional information and local knowledge before taking any action to address potential EI concerns.

August 04, 2017

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## **REFERENCES**

Federal Emergency Management Agency: FIRM Flood Insurance Rate Maps, Kauai County, Hawaii, Hawaii, Community Panel Number 150002 0327F, November 26, 2010

United States Department of Agriculture, Soil Conservation Service, Soil Survey of Islands of Kauai, Oahu, Molokai and Lanai, State of Hawaii, August 1972.

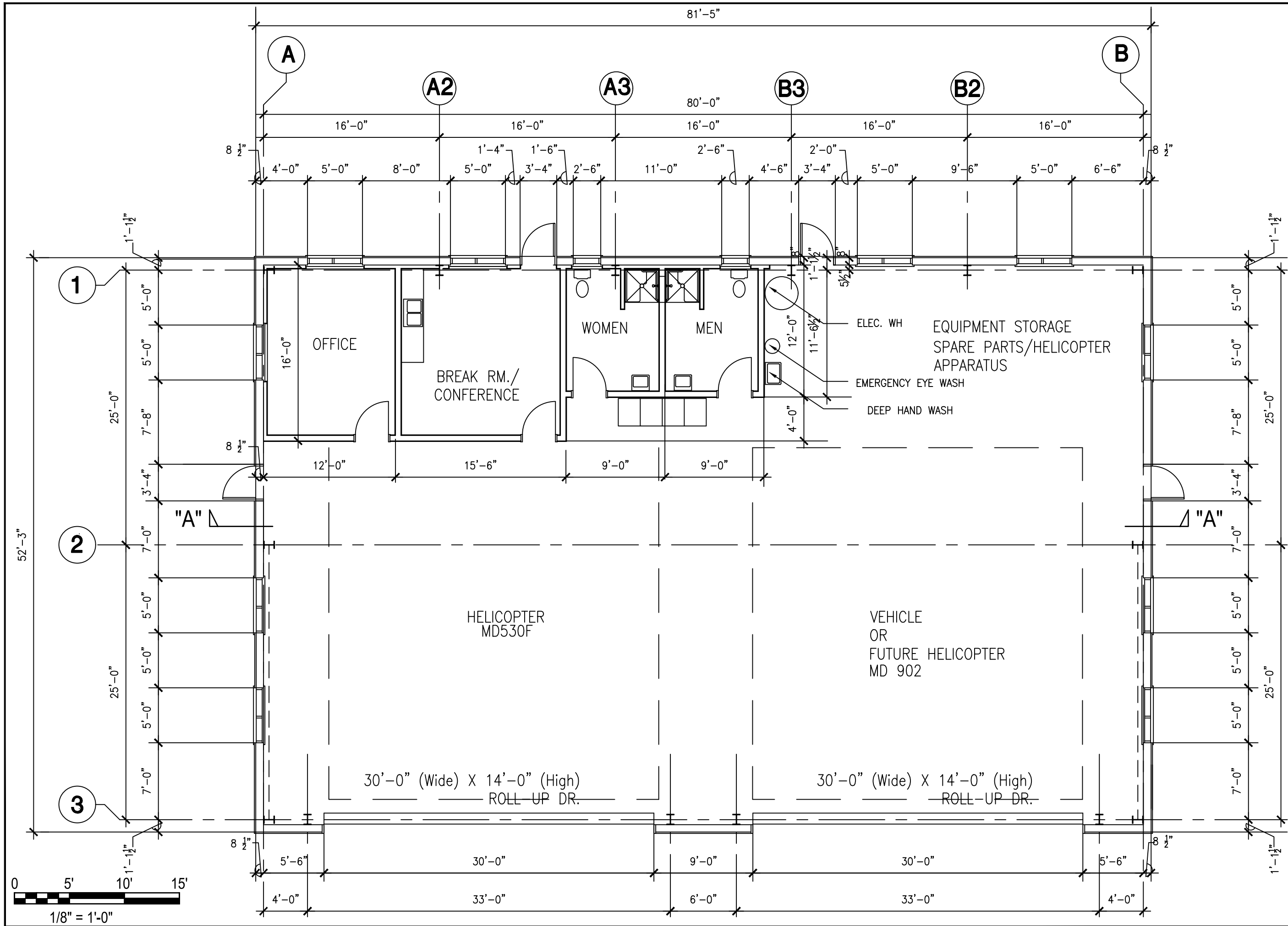
State of Hawaii Department of Transportation Airports Division's Lihue Airport Ahukini Road Realignment and General Aviation Subdivision Final Environmental Assessment and Finding of No Significant Impact 1997


## **TABLE OF EXHIBITS**

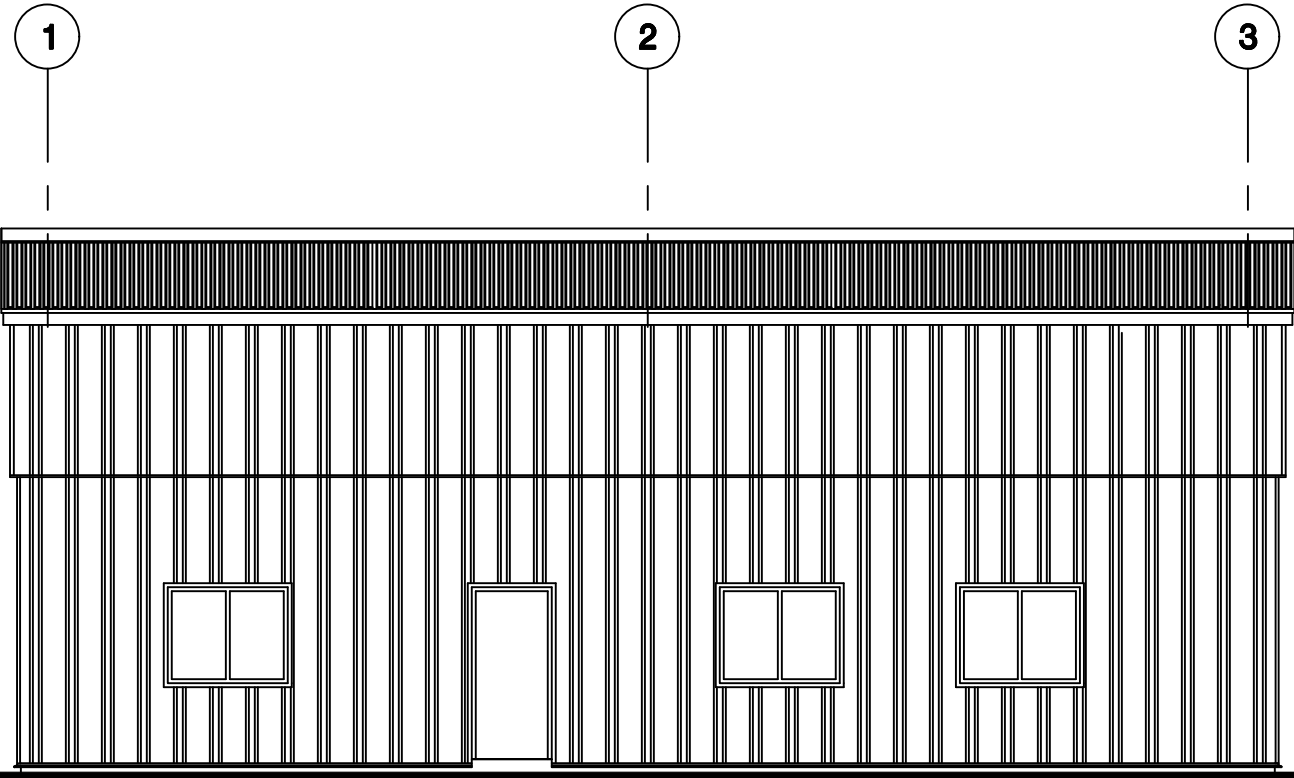
Exhibit A – Kauai Fire Department Helicopter Preliminary Plans



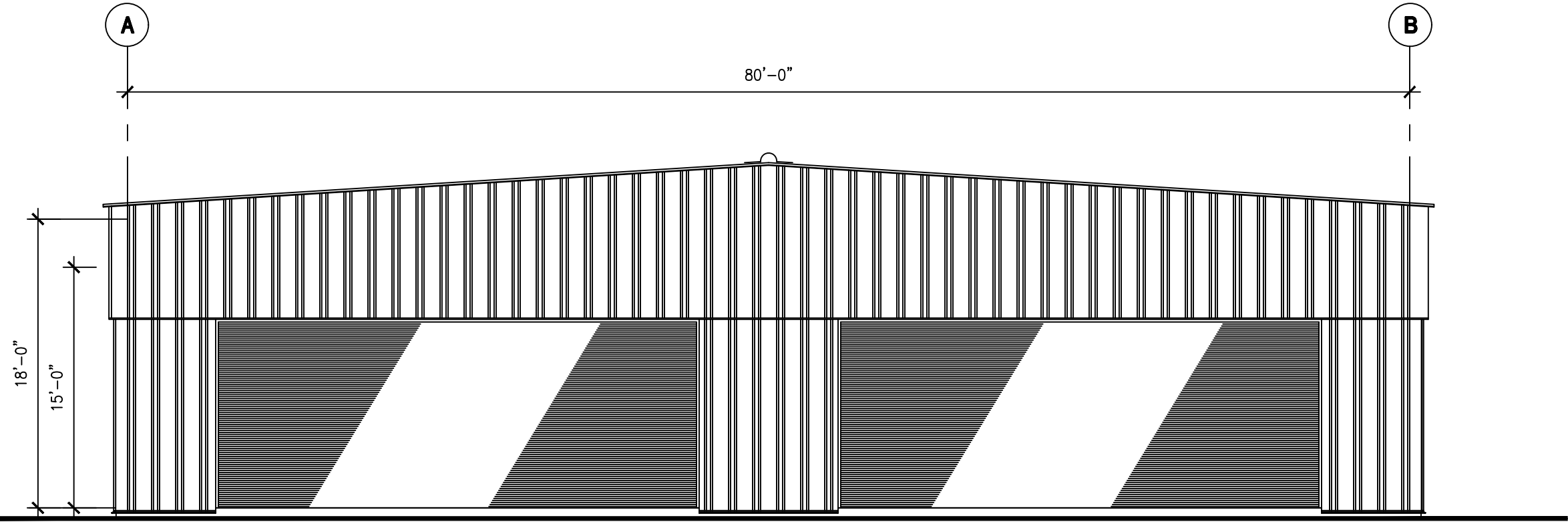




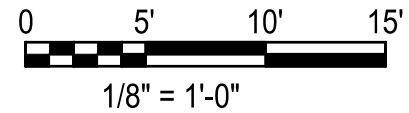
 <b>MITSUNAGA &amp; ASSOCIATES, INC.</b> ARCHITECTURE ENGINEERING PLANNING CONSTRUCTION MANAGEMENT 747 AMANA STREET SUITE 216 HONOLULU, HI 96814 PH. (808) 945-7882 FAX. (808) 946-2563	
<b>DEPARTMENT OF PUBLIC WORKS</b> <b>COUNTY OF KAUAI</b> <b>KAUAI FIRE DEPARTMENT - HELICOPTER HANGER</b> Job No. 2014-PROF-4, A.1 Lihue, Kauai, Hawaii	
<b>Date: 06/01/17</b>	<b>Sketch No.: SKA 2</b>
<b>FLOOR PLAN</b>	



LEFT ELEVATION



FRONT ELEVATION



Date: 06/01/17

Sketch No.:

SKA 3

DEPARTMENT OF PUBLIC WORKS  
COUNTY OF KAUAI

KAUAI FIRE DEPARTMENT - HELICOPTER HANGER

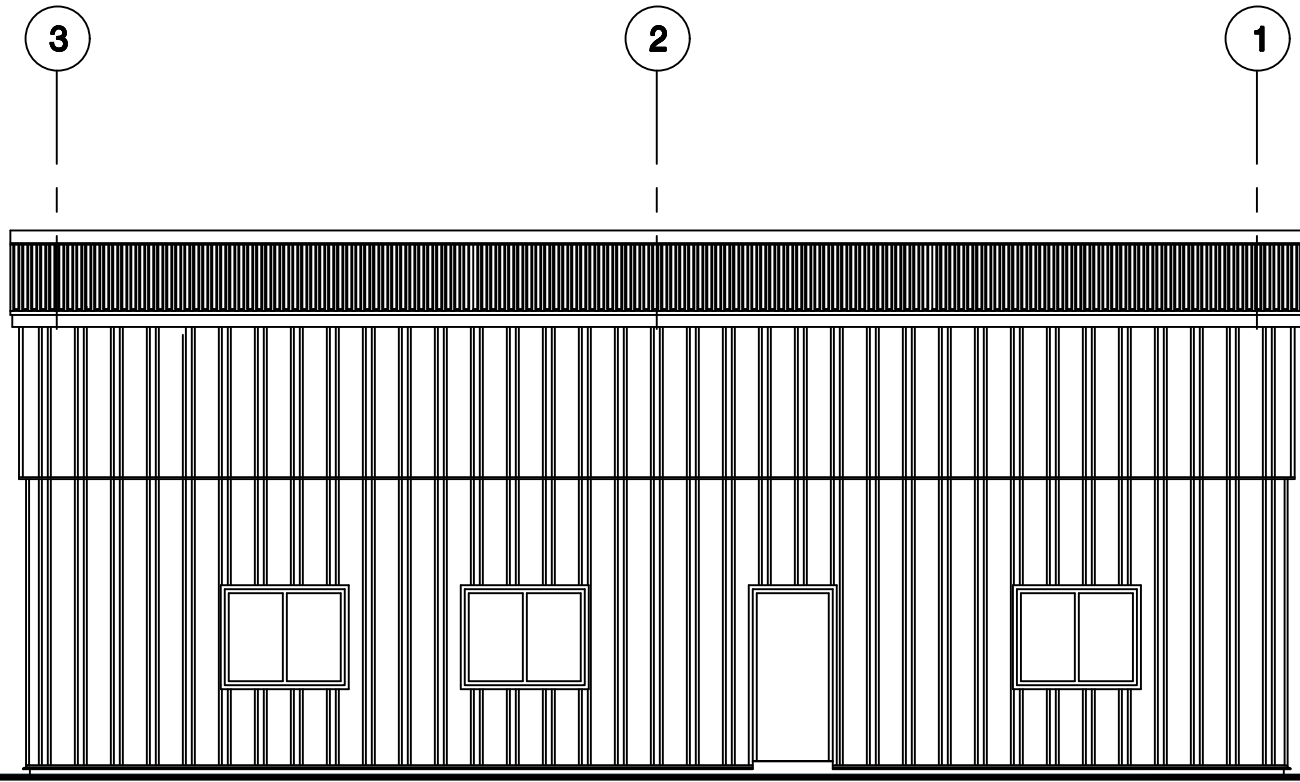
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Lihue, Kauai, Hawaii

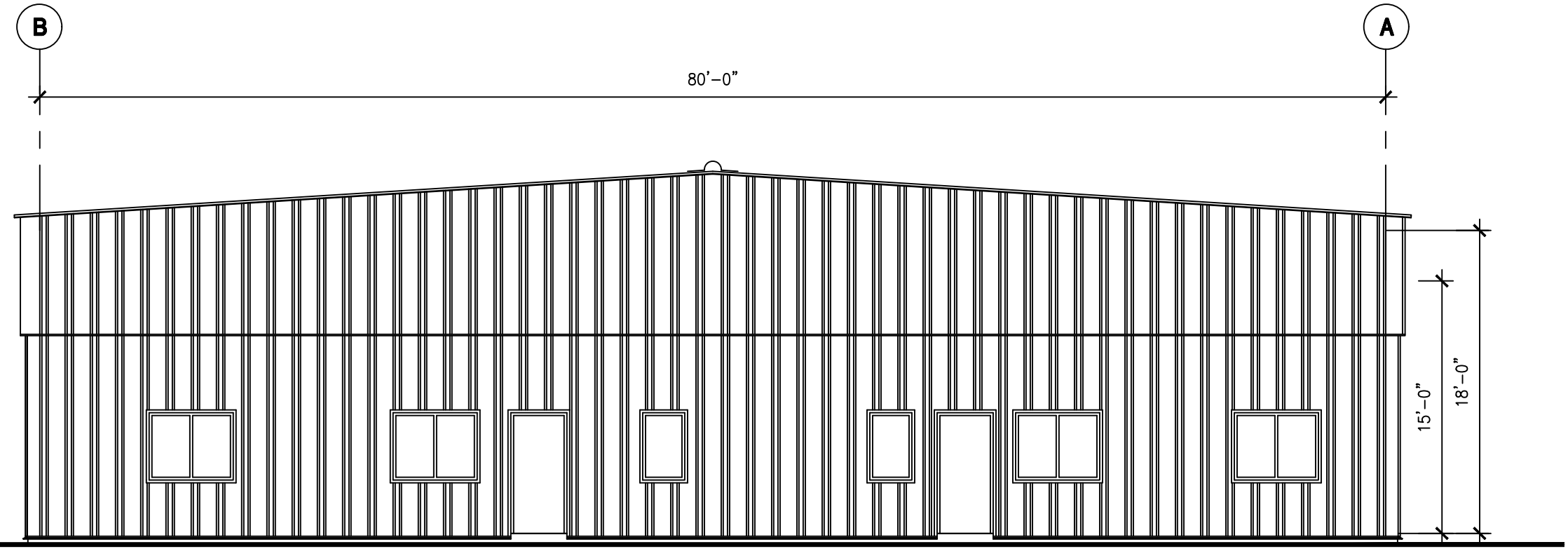
EXTERIOR ELEVATION - FRONT AND LEFT



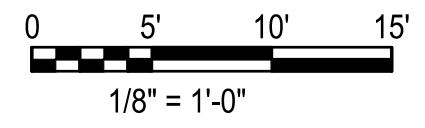
MITSUNAGA & ASSOCIATES, INC.  
ARCHITECTURE ENGINEERING PLANNING CONSTRUCTION MANAGEMENT  
747 AMANA STREET SUITE 216 HONOLULU, HI 96814  
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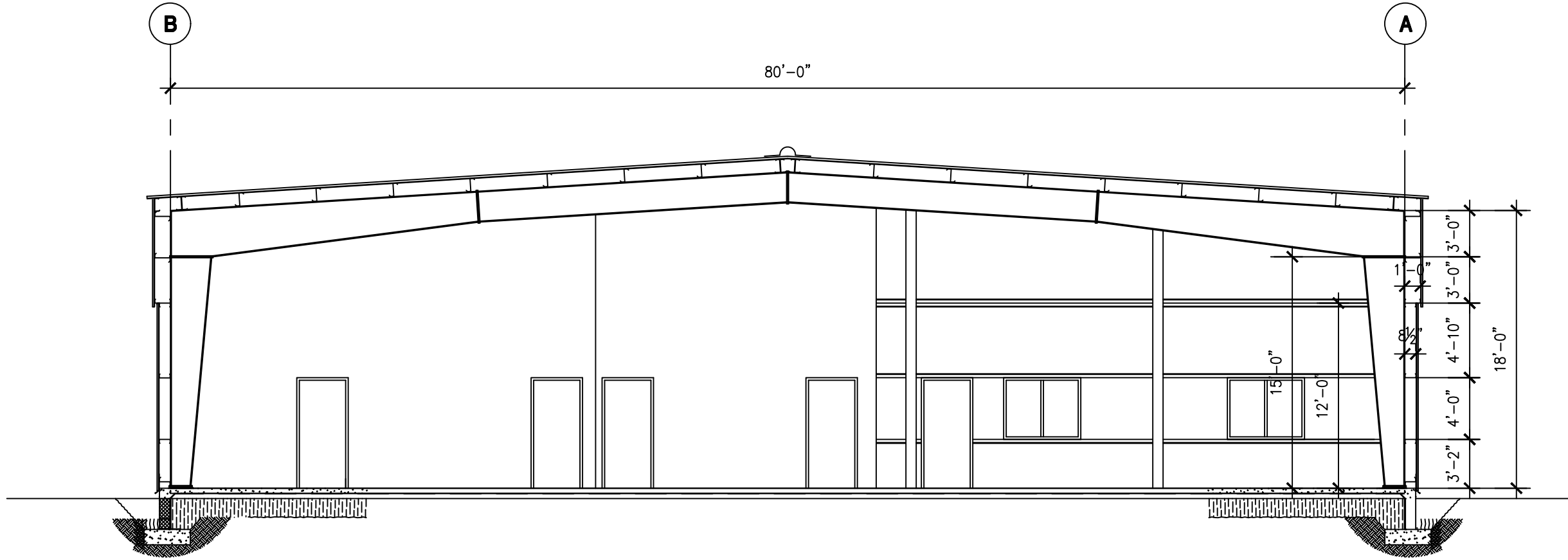
RIGHT ELEVATION



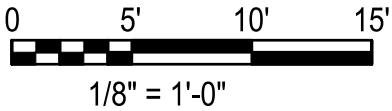
REAR ELEVATION




 <b>MITSUNAGA &amp; ASSOCIATES, INC.</b> ARCHITECTURE ENGINEERING PLANNING CONSTRUCTION MANAGEMENT 747 AMANA STREET SUITE 216 HONOLULU, HI 96814 PH. (808) 945-7882 FAX. (808) 946-2563	DEPARTMENT OF PUBLIC WORKS COUNTY OF KAUAI KAUAI FIRE DEPARTMENT - HELICOPTER HANGER Job No. 2014-PROF-4, A.1 Lihue, Kauai, Hawaii	
	Date: 06/01/17	Sketch No.: <b>SKA 4</b>
EXTERIOR ELEVATION - REAR AND RIGHT		



BUILDING CROSS SECTION "A-A"





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DEPARTMENT OF PUBLIC WORKS  
COUNTY OF KAUAI

KAUAI FIRE DEPARTMENT - HELICOPTER HANGER  
Job No. 2014-PROF-4, A.1  
Lihue, Kauai, Hawaii

BUILDING CROSS SECTION

Date: 06/01/17

Sketch No.:  
**SKA 5**